

## **ABSTRACT OF THE DISCLOSURE**

A full color LED based lighting apparatus operated in synchronism with music and method of controlling the same is disclosed. LED color and LED  
5 brightness can be controlled by means of high and low frequencies of sound. Thus, lighting can be controlled so as to be in synchronism with music as an event proceeds. The invention can provide more excitement, fun, and entertainment. Also, a plurality of embodiments are carried out by the invention.